

ICS 71.100.30
CCS G 89

SN

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 1731.9-2012

**Safety performance test for pyrotechnic composition used for
export fireworks and firecracker. Part 9: Test method for flame
sensitivity**

出口烟花爆竹用烟火药剂安全性能检验方法 第9部分：火焰感度测试方法
(English Translation)

Issued on: January 1, 1970

Implemented on: January 1, 1970

Issued by: General Administration of Customs

Table of Contents

- Foreword
- 1 Scope
- 2 Normative reference documents
- 3 Terms, definitions and symbols
- 4 Test method
 - 4.1 Principle of the method
 - 4.2 Equipment and main materials

Foreword

SN/T 1731 "Fireworks and firecrackers for export fireworks safety performance test method" is divided into 10 parts.

- Part 1. General;

Part 2. Determination of thermal stability at 75 ° C;

Part 3. Determination of burst points;

- Part 4. Restriction of qualitative analysis of restricted drugs;

- Part 5. Determination of impact sensitivity;

- Part 6. Determination of friction sensitivity;

- Part 7. Determination of hygroscopicity;

- Part 8. Determination of ignition temperature;

- Part 9. Flame sensitivity test method;

Part 10. Test method for static spark sensitivity.

This part is part 9 of the SN/T 1731 "Test Method for the Safety Performance of Pyrotechnic Explosives for Export Fireworks and Firecrackers".

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the State Certification and Accreditation Administration Committee proposed and centralized.

This part of the drafting unit. Hunan People's Republic of China Entry - Exit Inspection and Quarantine Bureau.

1 Scope

This part of SN/T 1731 specifies the test method for the flame sensitivity of pyrotechnic fuels for export fireworks.

This part is applicable to the test of flame sensitivity of pyrotechnic agents for export fireworks.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GJB770A604.1 Flame Sensitivity Black Powder Method Code for inspection of fireworks and firecrackers for export - Part 4. Safety inspection

3 Terms, definitions and symbols

The terms, definitions and symbols identified in SN/T 0306.4 and GJB770A604.1 apply to this document.

4.1 Principle of the method

Will be quantitative fireworks samples placed on the flame sensitivity meter by the black powder of the flame effect, with the lifting method to test 50% of the sample the distance of the fire to indicate the flame sensitivity of the sample.

4.2 Equipment and main materials

- a) HGY-1 Flame Sensitivity Meter.
- b) press mold.
- c) presses. range 1kN ~ 10kN, accuracy of 0.3%.
- d) water bath oven.
- e) Analysis of the balance. grading value of 0.0002%.
- f) Test sieve. 400 μm .
- g) anhydrous ethanol.
- h) black powder column.
- i) Trinitroresorcinol Lead. Crystallization.
- j) 9 impact hood shell.

k) resistance wire. 2500W ~ 3000W.